Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P244254

Luminaire Tested: **LD8B10D010 ER8B10850 8LBW0H**

Issue Date: 03/03/2020

Report Generated By E0454808 / USPTCWHP6056648

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Test Information

Test Method:	LM-79-08
Report Number:	P244254
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27940)
Test Lab:	INNOVATION CENTER-P2
Issue Date:	03/03/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	PORTFOLIO
Catalog Number:	LD8B10D010 ER8B10850 8LBW0H
Description:	PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED DOWNLIGHT
	80 CRI 5000 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1148.0 lumens
Efficiency:	N/A
Efficacy:	112.6 lumens/watt
Spacing Criteria (0/90/45):	1.19 / 1.19 / 1.12
Luminous Opening:	Circular (Dia: 0.67' x H: 0')
CIE Type:	Direct

Input Watts (W):	10.2
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	25 FT

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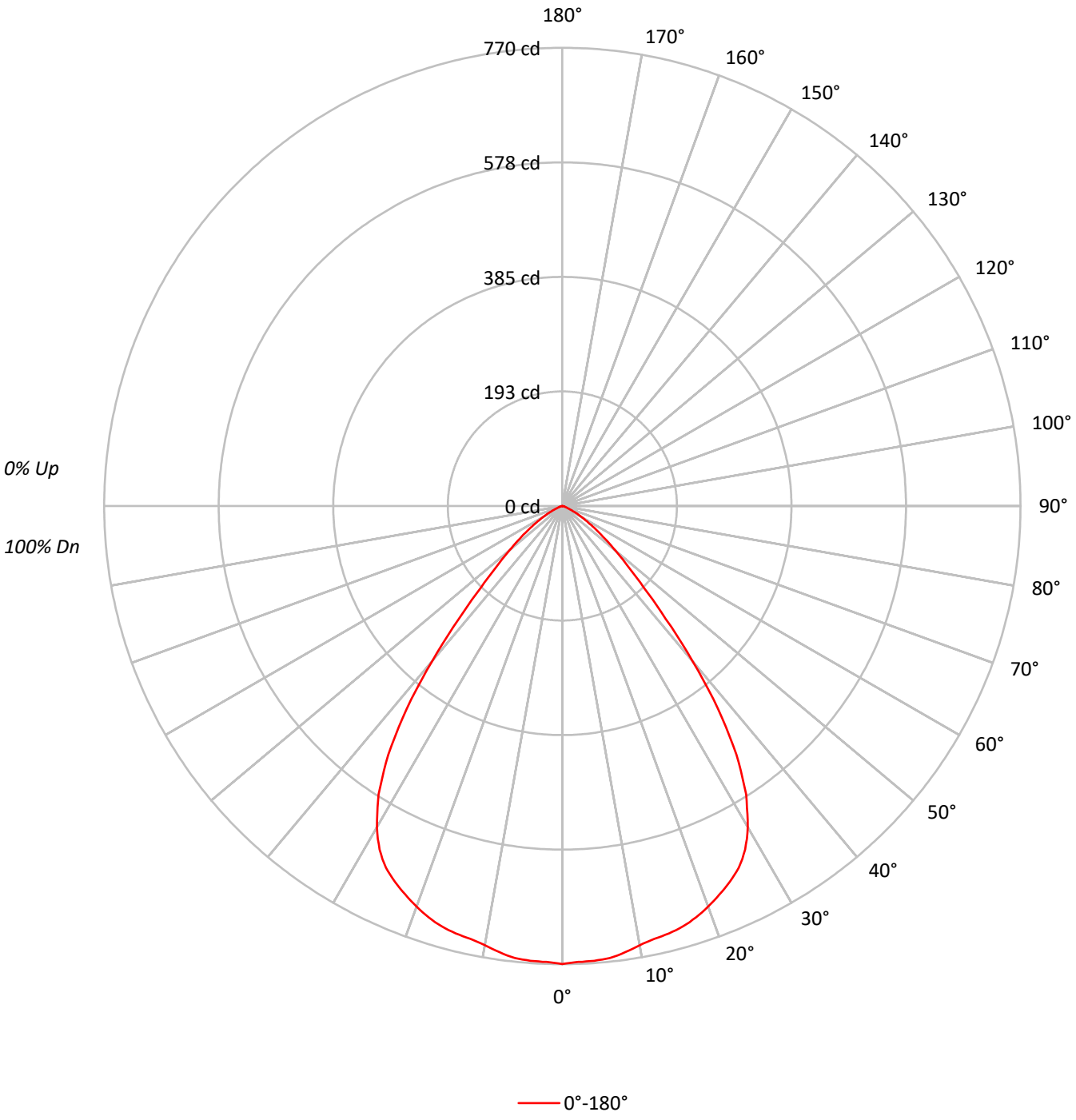
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	71	77	73	70	68
5	87	77	71	66	85	76	70	65	75	69	65	73	68	64	71	67	63	62
6	82	71	64	59	80	71	64	59	69	63	59	68	62	58	66	62	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	62	57	53	52
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	64	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23738
5°	23683
10°	23468
15°	23557
20°	23509
25°	23279
30°	22187
35°	19210
40°	13702
45°	8421
50°	5555
55°	3677
60°	2356
65°	1284
70°	631
75°	322
80°	178
85°	106

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.5	6.3
10°-20°	208.1	18.1
20°-30°	313.2	27.3
30°-40°	310.1	27.0
40°-50°	157.6	13.7
50°-60°	63.5	5.5
60°-70°	19.2	1.7
70°-80°	3.3	0.3
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	593.9	51.7
0°-40°	904.0	78.7
0°-60°	1125.1	98.0
0°-90°	1148.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	770	
5°	765	73
15°	738	208
25°	684	313
35°	510	310
45°	193	158
55°	68	64
65°	18	19
75°	3	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	769.8
1°	768.1
2°	766.8
3°	766.5
4°	766.1
5°	765.1
6°	763.8
7°	761.2
8°	757.2
9°	753.5
10°	749.5
11°	746.2
12°	743.9
13°	742.2
14°	740.2
15°	737.9
16°	734.9
17°	731.3
18°	727.0
19°	722.0
20°	716.4
21°	710.4
22°	704.4
23°	698.1
24°	691.5
25°	684.2
26°	676.2
27°	665.9
28°	654.0
29°	639.7
30°	623.1
32.5°	574.7
35°	510.3
37.5°	430.0
40°	340.4
42.5°	257.1
45°	193.1
47.5°	147.7
50°	115.8
52.5°	89.9
55°	68.4
57.5°	50.8
60°	38.2
62.5°	27.2
65°	17.6

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CANDELA DISTRIBUTION (continued):

	0°
67.5°	*10.9*
70°	*7.0*
72.5°	*4.3*
75°	*2.7*
77.5°	*1.7*
80°	*1.0*
82.5°	*0.7*
85°	*0.3*
87.5°	*0.0*
90°	*0.0*

(END OF REPORT)